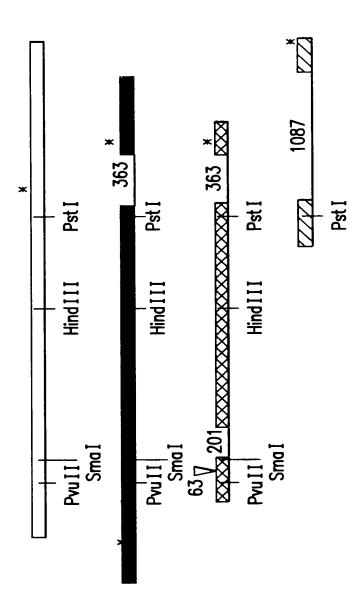
HIPPOCAMPUS NMDA10 14000 BPI

HIPPOCAMPUS NMDA11 14000 BPI

HIPPOCAMPUS NMDA7 13032 BPI

HIPPOCAMPUS NMDA3 1590 BPI



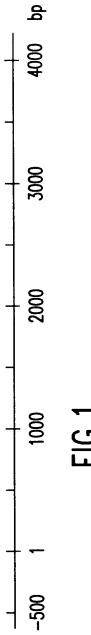


FIG. 1

## **HUMAN NMDAR1A CONSTRUCTS**

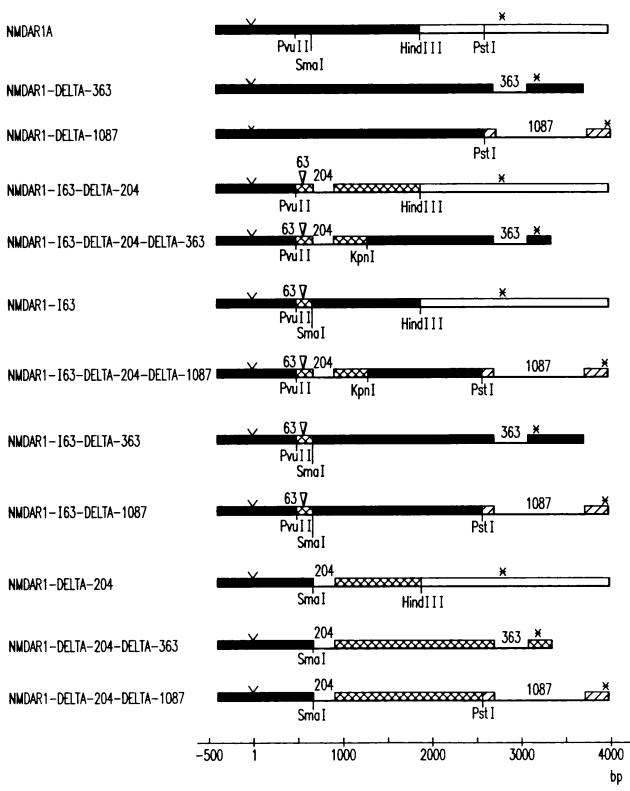


FIG.2

## NUCLEOTIDE SEQUENCE OF THE HUMAN IMPARIA RECEPTOR

cettecete gaccaacate ecaggacege egetecagaga gagacatage atecaeagee egeagageeg gaegagegea gaacageeeg gaageeeege - START ₽

gggggatgeg cegagggece egegttegeg cegegeagag ceaggecege ggecegagee cATGAGCACC ATGCGCTGC TGACGTCC CCTGCTGTTC TCTGCTGTTC ACCTGCTCC TCSCCCTGC CGCTGCCACCTCC TCSCCCCTGC CGCTGCCACACATCG TCACATTGC CGCGCTGCTG ACCACGCGACCA AGCACGAGCA GATGTTCCCC GAGGCCGTGA ACCAGECEAA CAAGGGGCAC GECTECTGGA AGATTCAGET CAATGECACE TECGTCAGGE ACAAGECECAA GGCCATCGGE ATGECTETGT GGTGTGCGA GGACCICATC TCCAGCCAGG ICTAGGCCAT CCTAGTTAGC CATCCACCTA CCCCAAGGA CCACTICACT CCCACCCTG ICTCCTACAC AGCCGCCTTC TACCGCATAC CCGTGCTGGG GCTGACCACC CGCATGTCCA TCTACTCGGA CAAGAGCATC CACCTGAGCT TCCTGCGCAC CSTGCCGCCC TACTCCCACC 50 <del>1</del>0

AGTOCAGOGT GTGGTTTGAG ATGATCOGTG TCTACAGCTG GAACCACATC ATCCTGCTGG TCAGOGACGA CCACSAGGGC CGGCCGCCTC AGAAACGCCT -63 bp INSERT Pvu II<sub>1</sub> 701

801 GCACACCCTG CTGCACCACC GTGAGTCCAA GCCACACAAG GTGCTGCAGT TTGACCCAGG GACCAAGAAC GTGACGCCC TGCTGATGGA GGCCAAAAGAG 

CIGGAGGÉCE GOÉTCATCAT CETTICIQUE AGOGAGGACS ATCETGOCAC TGTATACOSE GCAGOCOGOSA IGCIGAACAT GAOCÁSCETEC GOSTAOSTGT

GECTGETOSE CEACOSCEAC ATCTOSCEGA ACECCTGOS CTACECCCCA CACCCATCC TOSCECTGCA GETCATCAAC GECAACAACS AGTOSCECCA CATCAGOGAC GCOSTGGGO TGGTGGCCCCA GGCCSTGCAC GAGCTCCTCS AGAAGAAAA CATCACOGAC COSCOGOGG GCTGCCTGGG CAACACCAAC

DELETION

ATCTGGAAGA COGGECOSET CTTCAAGAGA GTGCTGATGT CTTCCAAGTA TGCGGATGGG GTGACTGGTC GCGTGGAGTT CAATGAGGAT GGGACCOGGA AGTICOCCAA CTACAGCATC ATGAACCTGC AGAACCSCAA GCTGGTGCAA GTGGGCATCT ACAATGGCAC CCACGTCATC CCTAATGACA GGAAGATCAT

GGACCCCTTC ACCCCTTCG GCCCCTTCAA GGTGAACAGC GACGAGGAGG ACGAGGACC ACTGACCCTG TCCTCCGCCCA TGTGGTTCTC CTGGGGCCTC CTGGCCAGGC GCAGAGACAG AGAAGCCTCG AGGTACCAG ATGTCCACCA GACTGAAGAT TGTGACGATC CACCAGGAGC CCTTCGTGTA CGTCAAGCCC ACCIGACIC AIGCEACAIG CAAGGAGGAG IICACAGICA ACCCCACCC AGICAAGAAG GIGAICIGCA COGGGCCAA CSACACCICG CCGGGCAGCC CCCCCCACAC GETECETCAG TETTECTACS GETTTTGCAT CSACCTGCTC ATCAAGCTGG CACGGACCAT GAACTTCACC TACSAGETGC ACCTGGTGGC AGATGGCAAG TTCGGCACAC AGGAGCGGGT GAACAACAGC AACAAGAAG AGTGGAATGG GATGATGGGC GAGCTGCTCA GCGGGCAGGC AGACATGATC GIGGCCCCCC TAACCATAAA CAACCAGCCC GCCCAGTACA TCGAGTITIC CAAGCCCTIC AAGTACCAGG GCCTGACTAT ICTGGTCAAG AAGGAGATTC CCCSCAGCAC GCTGGACTCG TTCATGCAGC CSTTCCAGAG CACACTGTGG CTGCTGGTGG GGCTGTCGGT GCACGTGGTG GCCGTGATGC TGTACCTGCT r Kon h 1601

**FIG.3A** 



Hindiii

CCATCCAGGC OSTGAGAGAC AACAAGCTGC ATGCCTTCAT CTGGGACTOG GOGGTGCTGG AGTTOGAGGC CTCGCAGAAG TGCGAOCTGG CCACAATGGC TTCATGGAAG ACCTGGACAA GACGTGGGTT CGGTATCAGG AATGTGACTC GCCCAGCAAC GCCCTGCGA CCCTTACTTT TGAGAACATG ACACCOCCAA CCTGGCGGCC TTCCTGGTGC TGGACCGGC GGAGGAGCGC ATCACGGGCA TCAACGACCC TCGGCTGAGG AACCCCTCGG ACAAGTTTAT CTACCCCACS GTGAAGCAGA GCTCCCTGGA TATCTACTTC CGCCCCAGG TGSAGCTGAG CACCATGTAC CGCCATATGG AGAAGCACAA CTACSAGAGT GCCGGGGTCT TCATGCTGGT AGCTGGGGGC ATCGTGGCCG GGATCTTCCT GATTTCATC GAGATTGCCT ACAAGCGGCA CAAGGATGCT CGCCGGAAGC CTECTCAACT COSECATOSE GEAAGEOSEC CCCAGAAGET TETCAGOSOS CATCETGOSE ATGETGTOSE COSECTITGE CATGATCATE GTGSCETTCT IGACSACTGG AGAGCTGTTT TTCCSCTCGG GCTTCGGCAT AGGCATGCGC AAAGACAGCC CCTGGAAGCA GAACGTCTCC CTGTCCATCC 306006AG6 2401 2501 2601 2301

ccaccegace gacacegace tegateceggg tgagtgaceg gacagacace ttgtacagaa acagaaataa aagggacaga gagagtgaat taacagtgag agacagagat atgacactaa gtacacaggg tgaaggagag aacagacaaa aacaaaataa aaggtgtatg aagtggtgat gaataaagga atgtaaag ACCCETATE ACCTECACE TESETTECAG CTICAAGAGE CSTAGSTECT CEAAAGACAE GAGEACOGGE GGTGGACGC GTGCTTTGCA AAACCAAAAA gagteggetg ggeagggeeg eaggggegete eggeagagge aggeeeetgg ggtetetgag eagtggggag egggggetaa etgeeeeeg geggagggge ggaggegece aeetgeecag ttagecegge eaaggaeaet gatgggteet getgeteggg aaggeetgag ggaageecae eegeeeeaga gaetgeecae cetaggeete eegteegtee geeegeeeae eeegetgeet ggegggeage eeetgetgga eeaaggtgeg gaeeggageg getgaggaeg gggeagaget GACACAGIGC TGCGGGGAGG GGCTATTGAG AGGGAGGAGG GCCAGCTGCA GCTGTTGC CGTCATAGGG AGAGGTGABG ctcccgccc gcctcctct geogeogiae caieceacig ataleaeggg ecegeicaae cicleagaie ecieggicag eacegiggig ligaggeeec tiggagcaga gacggcagcc ccatcettec egcagcacca gectgagcca cagiggggcc caiggcecca geiggeiggg iegeceite iegggegeet gegeteetet geageetgag etecaceete ecetettett geggeacege ecaceaaca eceegtetge ecettgaege cacaegeegg ggetggeget gecetecece aeggeegtee etgaettece agetggeage gectecegee geetegggee geetecteca gaategagag ggetgageee etecteteet AGATECAGET GECETITGCE GCOSTIAAOS IGTGECOSSAA GAACÉTGCAS GAIACAAAGA GTGSTAGAGC AGAGCETGAC CCTAAAAAGA AAGCCACATI ctececcagg etgegectge cegecegeeg gttggeegge tggeeggtee acceegteee ggeeeegege gtgeeeceag egtggggeta aegggegeet tgtctgtgta tttctatttt 38 3101 3301 3201 3701 3801 3401 3501 3601

1087 bp DELETION

FIG.3B

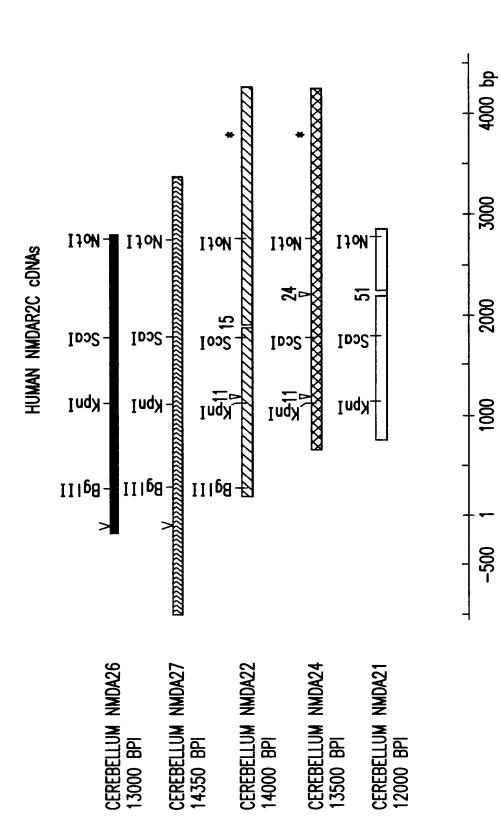


FIG.4

## CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

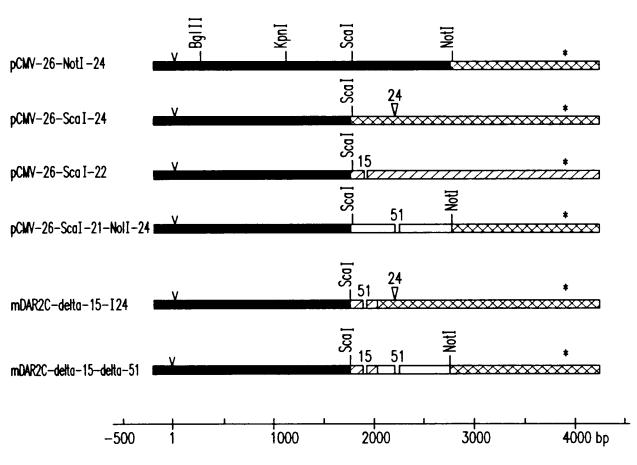


FIG.5

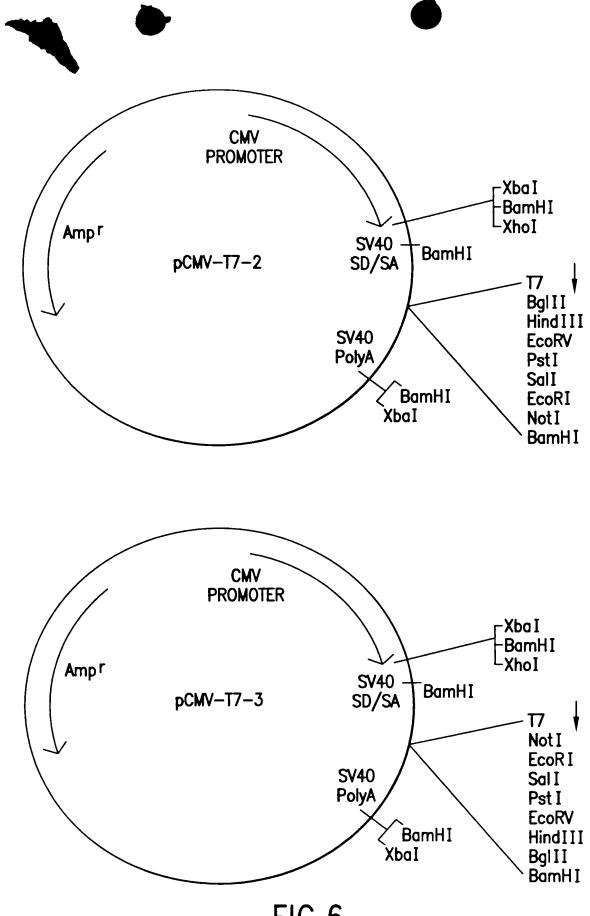


FIG.6